

CAPITAL IMPROVEMENT PLAN

2006-2007

4/26/2006

I. Comprehensive Infrastructure Projects

- a.
 1. **General Road Repairs** - It is not necessary to borrow funds for the FY 2005-2006.
 2. **Sidewalk Replacement Fund** - Continuation of the sidewalk improvement program. The locations are to be determined when applications are received.
 3. **Curb Replacement** - To replace deteriorated or low curbs that contribute to drainage run-off problems on the Village Streets that may affect private property. The curb replacement program is coordinated with the Sidewalk Program.
- b. **Sanitary Sewer Rehabilitation** - Sections of the Village's sanitary sewer system are over 70 years old. Rehabilitation of the sanitary system was begun a few years ago. The new trenchless technology affords the opportunity to rehabilitate the sewer lines without excavating. This state of the art method adds structural strength to the existing sewer mains and will extend the life of the sewer mains for many years. This project also includes rehabilitation of sanitary sewer manholes. Some of the streets where the sanitary sewer mains have been rehabilitated are Old Post Road North, Stevenson Place, Palmer Avenue and Grand Street. Future projects include completing Grand Street, Van Wyck Street, Old Post Road North & South
- c. **Stormwater Management Plan** The Dvirka & Bartilucci Stormwater study completed in 2003 recommended several improvements.
 1. **Brook Street** –Improvements to the Brook Street drainage system as per the Dvirka & Bartilucci Stormwater study are proposed for future years at an estimated additional cost of \$500,000.
 2. **High Street** – Storm drainage Improvements on the Village easement through the deSantis property.
 3. **Grand Street/Harrison Street** – Closed circuit television inspection and removal of found obstructions in this drainage system will be undertaken in the future. Additional steps to mitigate drainage problems in this drainage area are proposed in the Dvirka & Bartilucci Stormwater study at an estimated cost of \$1,000,000.
 4. **Batten Road** – Dvirka & Bartilucci conducted further study of this drainage corridor. Their recommendations including enlarging several culvert pipes will be undertaken in a future year at an estimated cost of \$1,250,000.
- d. **North Riverside Avenue Park & Parking Lot** - The Village is seeking to acquire the corner lot at Brook Street and North Riverside Avenue and to provide infrastructure improvements to create a park and parking lot. The park construction will respond to the needs of the neighborhood children for active recreational space as well as provide a passive sitting area for adults to enjoy a view of the Hudson River. The parking lot will provide parking for Brook Street residents with improved lighting, paving, drainage and landscaping.
- e. **Train Station Parking Lot Improvements** – Cherbuliez/Munz has designed plans including lighting, walkways, improvement of traffic flow, new fencing, and landscaping. Work scheduled to be completed over the summer of 2007.

CAPITAL IMPROVEMENT PLAN

2006-2007

4/26/2006

- f. **Elliott Way Road Improvements 2006-07** – Preliminary engineering design of Elliott Way north of Senasqua Park. **2008-09** Infrastructure Improvements.
- g. **CDBG Project– High Street 2007-08** Sanitary Sewer Replacement, sidewalk replacement.
- h. **Hunter Place 2008-09** – Water line and sewer improvements
- i. **Farrington Road 2009-2010** –Water line and sewer improvements, and sidewalk replacement
- j. **Prospect Place 2010-2011-** replace water mains.
- k. **Albany Post Road Drainage Improvements 2010-2011-** The area between Old Post Road North and Skyview Nursing Home has little or no positive drainage. This area needs a storm drainage system. This would be more desirable than the current situation whereby drainage runoff travels along the roadside in the gutter. This project would involve installation of catch basins and culvert pipe throughout.

CAPITAL IMPROVEMENT PLAN

2006-2007

4/26/2006

II. EQUIPMENT other than Fire Dept

- a. 2006-07 Purchase 4x4 pick-up to replace 1993 vehicle.
- b. 2006-07 Purchase 4x4 pick-up to replace 1989 vehicle.
- c. 2007-08 Purchase tow truck to replace a 1992 vehicle.
- d. Truck Body Swapping Mechanism:

Commonly referred to as Hook & Go, this will make our fleet more versatile and save money over time. It will convert the truck body/chassis of the Vac-All to accommodate various different truck bodies. The truck chassis and the corresponding bodies would be outfitted with the mechanism to allow the bodies to be easily swapped. The Vac-All truck chassis can be better utilized with this arrangement. The Vac-All body can be placed on the truck when we plan to use the Vac-All. The second part of this plan is to begin an anti-icing program. We will be able to start this new program at minimal cost; we would not have to purchase a truck specifically for the anti-icing equipment. Some future truck bodies could be purchased in lieu of complete trucks. In the future truck bodies can be swapped giving the DPW much more flexibility. This expenditure is to convert the Vac-All chassis to the Hook & Go truck and outfit the Vac-All body with the corresponding framework.

- e. 2007-08 Anti-Icing Equipment:

Anti-icing is the state of the art method of applying salt brine to the roads before a snow & ice event begins. Anti-icing puts salt brine on the road to prevent the snow & ice from adhering to the pavement. The rock salt currently used has to turn into salt brine before it begins to work. Also, it takes much more salt to burn through the snow once the snow has begun to coat the road. This equipment will give us the ability to put down salt brine in advance of a storm on regular time rather than on overtime. It will also give us the ability to better regulate the amount of salt applied to the roads, therefore helping the environment. There were light dustings of snow this December that could have been treated this way and in turn may not have required any overtime at all. This expenditure would purchase the equipment (tank and spray attachments) to apply the salt brine to the road, the Hook & Go attachment and the storage tanks.

- f. Purchase a 4X4 truck for police department
- g. Hybrid vehicle for the Village Manager

2007-08

- h. Purchase sidewalk tractor/snowblower for proper and efficient snow removal on Village sidewalks

CAPITAL IMPROVEMENT PLAN

2006-2007

4/26/2006

- i. Purchase 4x4 pick-up to replace aging equipment.
- j. Purchase a 25 cubic yard sanitation truck to replace aging equipment

2008-09

- k. Purchase 4x4 pick-up to replace aging equipment.
- l. Purchase a 4x4 lo-boy dump truck to replace aging equipment.
- m. Purchase 2 aging recycling trucks used for a variety of recycling activities.

2009-10

- n. Purchase 4x4 pick-up to replace aging equipment.
- o. Purchase a 4x4 lo-boy dump truck to replace aging equipment.

2010-2011

- p. Purchase 4x4 pick-up to replace aging equipment.
- q. Purchase a 4x4 lo-boy dump truck to replace aging equipment.

CAPITAL IMPROVEMENT PLAN
2006-2007
4/26/2006

III. EQUIPMENT – FIRE DEPARTMENT

a. 2006-2007 - Replacement of marine 12/Boat 18 engine

Replacement of present engine with twin 150 HP engines. The new engines would be more fuel efficient and reliable. A two engine system would make the boat more maneuverable. Replacement of the marine electronics consisting of radar, GPW and depth sounder/sonar.

b. 2007-2008 – Washington Engine Generator

The purchase and installation of an emergency generator. The purpose of the generator would be to supply emergency power to the firehouse for storm duty stand-bys and to be able to use the firehouse for temporary shelter for the community during storms and extended power outages.

c. 2007-2008 - Harmon Firehouse Sprinkler System.

Completion of the fire system. The main trunks were installed during construction but were not completed due to construction costs.

d. 2006 – 2007 - Replace failing HURST Power Unit and "O" Cutter

On 02/17/06, The HURST Tool went through its' annual check up. The final report revealed the following:

The on board 220 VAC electric HURST hydraulic power plant located on Rescue 18, is rapidly deteriorating. There are two parts to the power unit, part one is the electric motor and the second is the pump unit. The electric motor is overheating mainly due to its age which will be 19 years old and the pump, which has been rebuilt three times has to be rebuilt for the fifth time. At present, the report shows that this pump is present output is at 65-75% of efficiency. By having this deficiency, it puts a strain on the attached tools. Approximate price to replace this unit is \$11,000. The second part of the problem is the failure of the Model "O" Cutters. The cutters are used like big shears are needed to cut vehicle support posts. The cutters are presently working at or near 65% efficiency and are also 19 years old and failing. The control valves were replaced with negative results. Report showed that the main piston is failing. The other problem with this deficiency is that it will not be strong enough to cut through the newer car metals. Old tool, 7200 psi., new tool 152,000 psi. Price approximately \$4,000.

CAPITAL IMPROVEMENT PLAN

2006-2007

4/26/2006

- e. **2007-2008 - Ambulance replacement** – this is a 1997 Ford
- f. **2007-2008 - Washington Engine Fire Sprinkler System**
- g. **2008–2009 - Chief's car replacement** – This is a 2001 Ford Explorer
- h. **2008-2009 – Washington Engine Central Air**
- i. **2008-2009 - Grand Street Fire Sprinkler System**
- j. **2009 – 2010 - Cascade system for replacing SBCA bottles**

CAPITAL IMPROVEMENT PLAN

2006-2007

4/26/2006

IV. Municipal Garage

- a. **2007 – 2008 - Roof Replacement** – The Municipal Garage was built in the late 1960's and the roof is considered a "20 year roof". It is well beyond its life expectancy. It has been recommended by our roof repair contractor that we consider replacing the roof in the near future.
- b. **2007 – 2008 - Stormwater Regulations / Oil/Water Separator** – We need to control the stormwater runoff from our facility. At this time any stormwater runoff from the Municipal garage goes directly into the Croton River estuary carrying anything the runoff picks up along the way. An oil/water separator should be installed on the drains that carry runoff from the municipal garage yard to the river.
- c. **2008 – 2009 - Municipal Garage & Office** - The municipal garage is undersized and the DPW is in need of a new larger headquarters.

V. Police Department

- a. **2006 – 2007 - Automated fingerprinting system**

This would be for the implementation, hardware, and software for the system, which is produced by Commnetix Corporation. The Division of Criminal Justice services as well as the FBI has been accepting and processing digital finger print images for well over a decade and are promoting the conversion to these systems. The prints can be taken by any officer at the time of the arrest. Upon transmission the response will be received in approximately 15 to 20 minutes as opposed to the 1 to 3 weeks it currently takes. Officers will be notified if the party is wanted elsewhere or if the name information given does not match that which is on file for those prints.

VI. Municipal Building Renovations

- a. **2008 – 2009 - First Floor Bathrooms** – these are badly in need of renovation

CAPITAL IMPROVEMENT PLAN
2006-2007
4/26/2006

VII. RECREATION

- a. **2006 – 2007 - Croton Landing.** – Additional costs for the completion of the multi-purpose playing field, extension of sewer, water, and electric, construction of comfort station and storage building, and construction of new parking lot.
- b. **2006 – 2007 - Croton Landing Boat Launch Improvements -**
- c. **2006-2007 - Black Rock.** Insulation and heat at Black Rock building for Parks crew. **2009-2010** - create picnic area with pavilion. **2010-2011** - Improve parking area with item 4.
- d. **2007-2008 – Senasqua Tunnel Parking Improvements – Construct parking lot by the entrance to the tunnel to facilitate use of the trail and Senasqua Park.**
- e. **2007-2008 - Silver Lake Park Improvements.** Repairs to dam – currently a safety hazard – must be done when water level is low, improve path from pavilion to park, add picnic tables & waste containers in flat area.
- f. **2008-2009 - Duck Pond Improvements.** New Playground to replace existing playground. **2009-2010** - Add signage, benches, plantings, path on south side.
- g. **2009-2010 – Vassallo Park** Add picnic tables, benches, waste containers, and plantings.
- h. **2010-2011 – Dobbs Park.** New playground to replace existing one
- i. **Community Center Building – cost unknown.** Land purchase, construct building & do site work & utilities.

CAPITAL IMPROVEMENT PLAN
2006-2007
4/26/2006

VIII. COMMUNITY DEVELOPMENT PROJECTS

- a. **Future Land Purchases.** There are a number of undeveloped lots within the Village that would possibly be of benefit to the Village.

CAPITAL IMPROVEMENT PLAN
2006-2007
4/26/2006

IX. WATER SYSTEM IMPROVEMENTS

- a. **Water System Security** - The Village Water Department and Engineering Department completed a confidential Vulnerability Assessment last year as required by the NYS Department of Health. This project would address several security measures needed to be put in place to best protect the Villages water supply.
- b. **Water Main Upgrade (Van Cortland Place)** - Currently there are two water mains that “dead end” on Van Cortland Place. This project would connect the two dead ends and create a loop in the water distribution system. This loop will greatly increase the quality and pressure of water service in that area, as well as have a positive incremental effect on the rest of the Village’s water system.
- c. **Water Main Replacement (Hunter Place, Palmer Avenue, and Farrington Road)** - The water mains on these streets are approaching 110 years of age and should be replaced.
- d. **Replacement of Old Galvanized & Pit Cast Mains** – Sections of the Village’s water system are made up of galvanized and pit cast mains. The purpose of this project is to replace the old lines with new cement lined ductile iron pipe. This phase would replace the water mains on Piney Point, Arlington Drive, Franklin Avenue and the southern portion of Cleveland Drive.
- e. **Hunter Place Water Line Extension/Loop** – To address increasing brown water problems in this area this project will extend the existing dead end water main on Hunter Place to connect to the water main on Old Post Road North creating a loop and providing better water quality and flow in this area.